Environmental Microbiology Laboratory, Inc.
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: 50588

Date of Sampling: 11-16-2005
Date of Receipt: 11-18-2005
Date of Report: 11-22-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-01: S/N 10349924, outside roof		ST-02: S/N 10349890, 18th flr E-7		ST-03: S/N 10349904, 17th flr G-6		ST-04: S/N 10349917, 16th flr C-5	
Comments (see below)	A		None		None		None	
Lab ID-Version‡:	812674-1		812675-1		812676-1		812677-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	2	13						
Arthrinium								
Ascospores*	12	80						
Aureobasidium								
Basidiospores*	88	587			1	7	1	7
Bipolaris/Drechslera group								
Botrytis								
Cercospora	1	7						
Chaetomium								
Cladosporium	38	253						
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown	1	7						
Other colorless								
Penicillium/Aspergillus types†	4	27					1	7
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	3	20						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		1+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		994		< 7		7		14

Comments: A) 10 of the raw count *Cladosporium* spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
‡ A "Version" greater than 1 indicates amended data.

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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-05: S/N 10349922. 12th flr B-4		ST-06: S/N 10351634, 10th flr D-2		ST-07: S/N 10349916, 6th flr E-4		ST-08: S/N 10349891, outside roof	
Comments (see below)	None		None		None		B	
Lab ID-Version‡:	812678-1		812679-1		812680-1		812681-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria							2	13
Arthrinium								
Ascospores*							17	113
Aureobasidium								
Basidiospores*							96	640
Bipolaris/Drechslera group								
Botrytis								
Cercospora								
Chaetomium								
Cladosporium							35	233
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	4	27	4	27			4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*			1	7				
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		27		34		< 7		1,026

Comments: B) 19 of the raw count *Cladosporium* spores were present as a single clump.

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-09: S/N 10349918, 18th flr E-7		ST-10: S/N10349925, 17th flr G-6		ST-11: S/N 10349912, 16th flr C-5		ST-12: S/N 10349894, 12th flr B-4	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	812682-1		812683-1		812684-1		812685-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			1	7				
Bipolaris/Drechslera group								
Botrytis								
Cercospora								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	7						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		< 1+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		7		7		< 7		27

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-13: S/N 10349893, 10th flr D-2		ST-14: S/N 10349915, 6th flr E-4		ST-15: S/N 10349908, 18th flr E-7		ST-16: S/N 10349889, 17th flr G-6	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	812686-1		812687-1		812688-1		812689-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							1	7
Aureobasidium								
Basidiospores*	4	27	4	27				
Bipolaris/Drechslera group								
Botrytis								
Cercospora								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†							4	27
Pithomyces			1	7				
Rusts*								
Smuts*, Periconia, Myxomycetes*							1	7
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		27		34		< 7		41

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-17: S/N 10349892, 16th flr C-5		ST-18: S/N 10349906, 12th flr B-4		ST-19: S/N 10349897, 10th flr D-2		ST-20: S/N 10349911, 6th flr E-4	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	812690-1		812691-1		812692-1		812693-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*							1	7
Aureobasidium								
Basidiospores*			4	27				
Bipolaris/Drechslera group								
Botrytis								
Cercospora								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†			4	27	4	27		
Pithomyces								
Rusts*							1	7
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		< 7		54		27		14

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: ST-01, S/N 10349924, outside roof

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: November				Typical Outdoor Data by Location‡ State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	27	280	54	12	27	230	38
Bipolaris/Drechslera group	-	7	13	200	18	-	-	-	13
Chaetomium	-	7	13	160	11	-	-	-	3
Cladosporium	253	53	750	12,000	97	16	590	13,000	87
Curvularia	-	7	27	940	18	13	27	3,800	21
Nigrospora	-	7	13	210	17	-	-	-	15
Other brown	7	7	13	130	38	13	13	41	34
Penicillium/Aspergillus types	27	40	300	3,800	93	20	210	5,500	90
Stachybotrys	-	7	13	370	3	-	-	-	< 1
Torula	-	7	13	120	8	-	-	-	7
Seldom found growing indoors**									
Ascospores	80	13	160	2,400	76	31	640	4,900	79
Basidiospores	587	27	570	17,000	96	13	2,100	29,000	92
Cercospora	7	7	27	220	6	-	-	-	12
Rusts	-	7	13	250	22	13	27	230	21
Smuts, Periconia, Myxomycetes	20	7	40	680	71	13	53	1,100	61
TOTAL SPORES/M3	994								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Environmental Microbiology Laboratory, Inc. may not have received and tested a representative number of samples for every region or time period. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: ST-08, S/N 10349891, outside roof

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: November				Typical Outdoor Data by Location‡ State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	13	7	27	280	54	12	27	230	38
Bipolaris/Drechslera group	-	7	13	200	18	-	-	-	13
Chaetomium	-	7	13	160	11	-	-	-	3
Cladosporium	233	53	750	12,000	97	16	590	13,000	87
Curvularia	-	7	27	940	18	13	27	3,800	21
Nigrospora	-	7	13	210	17	-	-	-	15
Other brown	-	7	13	130	38	13	13	41	34
Penicillium/Aspergillus types	27	40	300	3,800	93	20	210	5,500	90
Stachybotrys	-	7	13	370	3	-	-	-	< 1
Torula	-	7	13	120	8	-	-	-	7
Seldom found growing indoors**									
Ascospores	113	13	160	2,400	76	31	640	4,900	79
Basidiospores	640	27	570	17,000	96	13	2,100	29,000	92
Cercospora	-	7	27	220	6	-	-	-	12
Rusts	-	7	13	250	22	13	27	230	21
Smuts, Periconia, Myxomycetes	-	7	40	680	71	13	53	1,100	61
TOTAL SPORES/M3	1,026								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: ST-01: S/N 10349924, outside roof

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 27 - 320	56
Ascospores	80	13 - 160 - 3,600	77
Basidiospores	587	22 - 360 - 13,000	94
Cercospora	7	7 - 26 - 400	6
Cladosporium	253	53 - 590 - 8,100	96
Other brown	7	7 - 13 - 93	39
Penicillium/Aspergillus types	27	34 - 210 - 2,800	90
Smuts, Periconia, Myxomycetes	20	7 - 40 - 770	70
Total	994		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: ST-02: S/N 10349890, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	N/A

Location: ST-03: S/N 10349904, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	7
Total	7

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-04: S/N 10349917, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6012 Critical value: 0.6190 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Penicillium/Aspergillus types	7
Total	14

Location: ST-05: S/N 10349922. 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.3869 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-06: S/N 10351634, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.2262 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	7
Total	34

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C/O: Mr. William Turner
Re: 50588

Date of Sampling: 11-16-2005
Date of Receipt: 11-18-2005
Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-07: S/N 10349916, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-09: S/N 10349918, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.2917 Critical value: 0.6190 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Smuts, Periconia, Myxomycetes	7
Total	7

Location: ST-10: S/N10349925, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Total	7

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Date of Sampling: 11-16-2005
Date of Receipt: 11-18-2005
Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-11: S/N 10349912, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-12: S/N 10349894, 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.3869 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-13: S/N 10349893, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.6726 Critical value: 0.6190 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Total	27

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Date of Receipt: 11-18-2005
Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-14: S/N 10349915, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.3042 Critical value: 0.5833 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Basidiospores		27
Pithomyces		7
Total		34

Location: ST-15: S/N 10349908, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
None Detected		N/A

Location: ST-16: S/N 10349889, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.5455	dF: 8 Result: 0.2738 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Ascospores		7
Penicillium/Aspergillus types		27
Smuts, Periconia, Myxomycetes		7
Total		41

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Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-17: S/N 10349892, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-18: S/N 10349906, 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.4000	dF: 8 Result: 0.6012 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Penicillium/Aspergillus types	27
Total	54

Location: ST-19: S/N 10349897, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.3869 Critical value: 0.6190 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-20: S/N 10349911, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.0917 Critical value: 0.5833 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Ascospores		7
Rusts		7
Total		14

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: ST-08: S/N 10349891, outside roof

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	13	7 - 27 - 320	56
Ascospores	113	13 - 160 - 3,600	77
Basidiospores	640	22 - 360 - 13,000	94
Cladosporium	233	53 - 590 - 8,100	96
Penicillium/Aspergillus types	27	34 - 210 - 2,800	90
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 770	70
Total	1,026		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: ST-02: S/N 10349890, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	N/A

Location: ST-03: S/N 10349904, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.7500 Critical value: 0.8000 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	7
Total	7

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-04: S/N 10349917, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.3750 Critical value: 0.8000 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Basidiospores		7
Penicillium/Aspergillus types		7
Total		14

Location: ST-05: S/N 10349922. 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Penicillium/Aspergillus types		27
Total		27

Location: ST-06: S/N 10351634, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.3143 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Penicillium/Aspergillus types		27
Smuts, Periconia, Myxomycetes		7
Total		34

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-07: S/N 10349916, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-09: S/N 10349918, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: 6 Result: -0.1429 Critical value: 0.7714 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Smuts, Periconia, Myxomycetes	7
Total	7

Location: ST-10: S/N10349925, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.7500 Critical value: 0.8000 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Total	7

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Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-11: S/N 10349912, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-12: S/N 10349894, 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-13: S/N 10349893, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.7500 Critical value: 0.8000 Outside Similar: No	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Total	27

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-14: S/N 10349915, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.2857 Critical value: 0.7714 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Basidiospores		27
Pithomyces		7
Total		34

Location: ST-15: S/N 10349908, 18th flr E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
None Detected		N/A

Location: ST-16: S/N 10349889, 17th flr G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.3286 Critical value: 0.7714 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Ascospores		7
Penicillium/Aspergillus types		27
Smuts, Periconia, Myxomycetes		7
Total		41

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-17: S/N 10349892, 16th flr C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-18: S/N 10349906, 12th flr B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.3750 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Penicillium/Aspergillus types	27
Total	54

Location: ST-19: S/N 10349897, 10th flr D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.0000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Environmental Microbiology Laboratory, Inc.
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: 50588

Date of Sampling: 11-16-2005
Date of Receipt: 11-18-2005
Date of Report: 11-22-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-20: S/N 10349911, 6th flr E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 17 Result: 6.7807 Critical value: 27.5871 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: -0.1857 Critical value: 0.7714 Outside Similar: No	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	7
Rusts	7
Total	14

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

CHAIN OF CUSTODY

866.888.6653 www.EMLab.com

ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

* PLEASE SEE REVERSE SIDE FOR ADDITIONAL MicroLAB™ LOCATIONS *

1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None			X		Cloudy
LEVEL Light	X	X			
LEVEL Moderate		X		X	
LEVEL Heavy				X	

REQUI

Non-Culturable

Spore Trap | Tape Swab Bulk | Bio Wat

000187040

CONTACT INFORMATION

Company/Branch: Turner Building Science	Address: 26 Pinewood Lane Harrison, ME 04040	
Contact: Bill Turner	Fax results? Y/(N)	Fax:
Phone: (207) 583-4571 x11	Email results (Y)/ N	Email: bturner@hlturner.com

PROJECT INFORMATION

Project: S0588	Project/ Promo ID:
Project Zip Code: 06106	Sampling Date: 11/16/05
PO Number:	
Send Invoice to: 21 Lane Rd Concord, NH 03301	

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT 48-72 Hour)

ND - 24 Hour (+50%)

SD - Same Business Day Rush (+75%)

WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Spore Trap Analysis | Particle & Biological Particles - Spore Trap Analysis | Direct Microscopic Exam | Standard Quant. Analysis (Incl. Agp. Speciation) | Quantitative Analysis | Coliform Screen (24hr, 48hr, V/H rush avail.) | Assessment / Clearance | Qualitative Analysis (water & swabs only) | Premium Req. add'l subcultures ~4 wk lead | w/ Penicillium & Asp. Speciation | w/ Cladosporium & Agp. Speciation | Full Speciation | Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400) | Asbestos Analysis - PLM (EPA method 600/R-93-116)

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
ST-01	S/N 10349924 OUTSIDE - ROOF	ST	STD	150 L	2:00 pm
ST-02	S/N 10349890 18th FLR E-7	ST	STD	150 L	2:10 pm
ST-03	S/N 10349904 17th FLR G-6	ST	STD	150 L	2:25 pm
ST-04	S/N 10349917 16th FLR C-5	ST	STD	150 L	2:35 pm
ST-05	S/N 10349922 12th FLR B-4	ST	STD	150 L	2:45 pm
ST-06	S/N 10351634 10th FLR D-2	ST	STD	150 L	3:00 pm
ST-07	S/N 10349916 6th FLR E-4	ST	STD	150 L	3:05 pm
ST-08	S/N 10349891 OUTSIDE - ROOF	ST	STD	150 L	3:30 pm
ST-09	S/N 10349918 18th FLR E-7	ST	STD	150 L	3:25 pm
ST-10	S/N 10349925 17th FLR G-6	ST	STD	150 L	3:30 pm
ST-11	S/N 10349912 16th FLR C-5	ST	STD	150 L	3:25 pm
ST-12	S/N 10349894 12th FLR B-4	ST	STD	150 L	3:40 pm

SAMPLE TYPE CODES

BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water
A2S - Andersen 2-stage		B - Bulk	SO - Soil
SAS - Surface Air Sampler	P - Pure Culture	O - Other:	

RELINQUISHED BY	DATE & TIME
[signature]	11/17/05 1800

RECEIVED BY	DATE & TIME
Hazel	11/18/05 9:30AM

7862407

CHAIN OF CUSTODY

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ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

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1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER	Fog	Rain	Snow	Wind; Clear
None			K	
Light	K	K		
Moderate		K		K
Heavy				K

LEVEL

Custody

REQUESTI

Non-Culturable

000187040

CONTACT INFORMATION

Company/Branch: TURNER BUILDING SCIENCE	Address: 26 PINEWOOD LANE, HARRISON, ME 04040	
Contact: BILL TURNER	Fax results? Y / (N)	Fax:
Phone: (207) 583-4571	Email results? (Y) N	Email: bturner@hlturner.com

PROJECT INFORMATION

Project: S0598	Project/ Promo ID:
Project Zip Code: 06106	Sampling Date: 11/16/05
PO Number:	
Send Invoice to: ET LOCKE PO CONCORD NH 03301	

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT 48-72 Hour)

ND - 24 Hour (+50%)

SD - Same Business Day Rush (+75%)

WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/ Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
ST-13	S/N 10349893 10th FLR D-2	ST	STD	150 L	3:45pm
ST-14	S/N 10349915 6th FLR E-4	ST	STD	150 L	3:50pm
ST-15	S/N 10349908 18th FLR E-7	ST	STD	150 L	3:55pm
ST-16	S/N 10349889 17th FLR G-6	ST	STD	150 L	4:00pm
ST-17	S/N 10349892 16th FLR C-5	ST	STD	150 L	4:05pm
ST-18	S/N 10349906 12th FLR B-4	ST	STD	150 L	4:10pm
ST-19	S/N 10349897 10th FLR D-2	ST	STD	150 L	4:15pm
ST-20	S/N 10349911 6th FLR E-4	ST	STD	150 L	4:20pm

Spore Trap

Tape Swab Bulk

BioCas Water, b

Spore Trap Analysis

Fungi & Biological Particles - Spore Trap Analysis

Direct Microscopic Exam

Standar Quant. Analysis (Incl. Asp. Speciation)

Ba - Quantitative Analysis

Coliform Screen (24hr, 48hr, WH rush avail.)

Se - Assessment / Clearance

Ca - Quantitative Analysis (water & swabs only)

Premium Req. add'l subcultures ~4 wk lead

Fu - Penicillium & Asp. Speciation

Fu - Cltd. & Asp. Speciation

Fu - Full Speciation

As - Analysis - PCM Airborne Fiber Count (NIOSH 7400)

As - Analysis - PLM (EPA method 600/R-93-116)

SAMPLE TYPE CODES			
BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water
A2S - Andersen 2-stage		B - Bulk	SO - Soil
SAS - Surface Air Sampler	P - Pure Culture	O - Other:	

RELINQUISHED BY	DATE & TIME
[signature]	11/17/05 1800

RECEIVED BY	DATE & TIME
Hazel	11/18/05 9:30AM

Environmental Microbiology Laboratory, Inc.
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-16-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-21: S/N 10349921, 18th flr., E-7		ST-22: S/N 10349907, 17th flr., G-6		ST-23: S/N 10349901, 16th flr., C-5		ST-24: S/N 10349899, 12th flr., B-4	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814528-1		814529-1		814530-1		814531-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			4	27			8	53
Aureobasidium								
Basidiospores*			4	27	4	27		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium					8	53		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	4	27	16	107	16	107	8	53
Pithomyces	1	7						
Rusts*								
Smuts*, Periconia, Myxomycetes*	1	7						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		1+		1+		1+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		41		161		187		106

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
‡ A "Version" greater than 1 indicates amended data.

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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-25: S/N 10349895, 10th flr., D-2		ST-26: S/N 10349905, 6th flr., E-4		ST-27: S/N 103516271, 18th flr., E-7		ST-28: S/N 103516281, 17th flr., G-6	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814532-1		814533-1		814540-1		814541-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*			4	27				
Aureobasidium								
Basidiospores*	1	7	12	80				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium							8	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown					2	13	3	20
Other colorless								
Penicillium/Aspergillus types†	1	7	4	27	4	27	4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					1	7	2	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		1+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		14		134		47		113

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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‡ A "Version" greater than 1 indicates amended data.

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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-29: S/N 103516261, 16th flr., C-5		ST-30: S/N 103516471, 12th flr., B-4		ST-31: S/N103516501, 10th flr., D-2		ST-32: S/N 103516611, 6th flr., E-4	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814542-1		814543-1		814544-1		814545-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*							4	27
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium								
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†			4	27			12	80
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*							2	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		1+		1+		1+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		< 7		27		< 7		120

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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‡ A "Version" greater than 1 indicates amended data.

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(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-33: S/N 10105295, OA, roof		ST-34: S/N 10105335, 18th flr., E-7		ST-35: S/N 10105325, 17th flr., G-6		ST-36: S/N 10105341, 16th flr., C-5	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814546-1		814547-1		814548-1		814549-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*	4	27						
Aureobasidium								
Basidiospores*	32	213	1	7				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium	12	80	2	13				
Curvularia								
Epicoccum			1	7				
Fusarium								
Myrothecium								
Nigrospora								
Other brown	2	13					1	7
Other colorless								
Penicillium/Aspergillus types†	20	133	16	107	8	53	16	107
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*					1	7	2	13
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	1+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		466		134		60		127

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-37: S/N 10105361, 12th flr., B-4		ST-38: S/N 10105340, 10th flr., D-2		ST-39: S/N 9803587, 6th flr., E-4		ST-40: S/N 103516371, 18th flr., E-7	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814550-1		814551-1		814552-1		814553-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*					4	27		
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			4	27				
Curvularia	1	7						
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	4	27	8	53	12	80	12	80
Pithomyces								
Rusts*					1	7		
Smuts*, Periconia, Myxomycetes*	1	7						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		41		80		114		80

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
‡ A "Version" greater than 1 indicates amended data.

Environmental Microbiology Laboratory, Inc.
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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-41: S/N 103516381, 17th flr., G-6		ST-42: S/N 103516631, 16th flr., C-5		ST-43: S/N 103516331, 12th flr., B-4		ST-44: S/N 103516241, 10th flr., D-2	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	814554-1		814555-1		814556-1		814557-1	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Arthrinium								
Ascospores*								
Aureobasidium								
Basidiospores*			10	67				
Bipolaris/Drechslera group								
Botrytis								
Chaetomium								
Cladosporium			20	133	4	27		
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora								
Other brown								
Other colorless								
Penicillium/Aspergillus types†	4	27	20	133	12	80	4	27
Pithomyces								
Rusts*								
Smuts*, Periconia, Myxomycetes*								
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Unknown								
Zygomycetes								
Background debris (1-4+)††	2+		4+		2+		2+	
Sample volume (liters)	150		150		150		150	
TOTAL SPORES/M3		27		333		107		27

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
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Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-45: S/N 1035165416th flr., E-4		ST-46: S/N 103516431, OA, roof	
Comments (see below)	None		None	
Lab ID-Version‡:	814558-1		814559-1	
	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria				
Arthrinium				
Ascospores*			4	27
Aureobasidium				
Basidiospores*			12	80
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			8	53
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Other brown	1	7	1	7
Other colorless				
Penicillium/Aspergillus types†			8	53
Pithomyces				
Rusts*				
Smuts*, Periconia, Myxomycetes*				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Unknown				
Zygomycetes				
Background debris (1-4+)††	2+		2+	
Sample volume (liters)	150		150	
TOTAL SPORES/M3		7		220

Comments:

* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium, Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
†† Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be actually higher than reported. Background debris also affects the reporting limit for some spore types. The reporting limit is dependent on spore size, background debris, sample volume, and the percentage of the trace analyzed. It is important to account for sample volumes when evaluating dust levels. The minimum reporting limit is based on a raw count of one, which the lowest count that can be detected.
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Client: Turner Building Science, LLC
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Re: SO588

Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: ST-33, S/N 10105295, OA, roof

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: November				Typical Outdoor Data by Location‡ State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	280	54	12	27	230	38
Bipolaris/Drechslera group	-	7	13	200	18	-	-	-	13
Chaetomium	-	7	13	160	11	-	-	-	3
Cladosporium	80	53	750	12,000	97	16	590	13,000	87
Curvularia	-	7	27	940	18	13	27	3,800	21
Nigrospora	-	7	13	210	17	-	-	-	15
Other brown	13	7	13	130	38	13	13	41	34
Penicillium/Aspergillus types	133	40	300	3,800	93	20	210	5,500	90
Stachybotrys	-	7	13	370	3	-	-	-	< 1
Torula	-	7	13	120	8	-	-	-	7
Seldom found growing indoors**									
Ascospores	27	13	160	2,400	76	31	640	4,900	79
Basidiospores	213	27	570	17,000	96	13	2,100	29,000	92
Rusts	-	7	13	250	22	13	27	230	21
Smuts, Periconia, Myxomycetes	-	7	40	680	71	13	53	1,100	61
TOTAL SPORES/M3	466								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Environmental Microbiology Laboratory, Inc. may not have received and tested a representative number of samples for every region or time period. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Date of Sampling: 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: ST-46, S/N 103516431, OA, roof

Fungi Identified	Outdoor data	Typical Outdoor Data by Date† Month: November				Typical Outdoor Data by Location‡ State: CT			
	spores/m3	low	med	high	freq %	low	med	high	freq %
Generally able to grow indoors*									
Alternaria	-	7	27	280	54	12	27	230	38
Bipolaris/Drechslera group	-	7	13	200	18	-	-	-	13
Chaetomium	-	7	13	160	11	-	-	-	3
Cladosporium	53	53	750	12,000	97	16	590	13,000	87
Curvularia	-	7	27	940	18	13	27	3,800	21
Nigrospora	-	7	13	210	17	-	-	-	15
Other brown	7	7	13	130	38	13	13	41	34
Penicillium/Aspergillus types	53	40	300	3,800	93	20	210	5,500	90
Stachybotrys	-	7	13	370	3	-	-	-	< 1
Torula	-	7	13	120	8	-	-	-	7
Seldom found growing indoors**									
Ascospores	27	13	160	2,400	76	31	640	4,900	79
Basidiospores	80	27	570	17,000	96	13	2,100	29,000	92
Rusts	-	7	13	250	22	13	27	230	21
Smuts, Periconia, Myxomycetes	-	7	40	680	71	13	53	1,100	61
TOTAL SPORES/M3	220								

† The Typical Outdoor Data by Date represents the typical outdoor spore levels across North America for the month indicated. The last column represents the frequency of occurrence. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 2.5% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

‡ The Typical Outdoor Data by Location represents the typical outdoor spore levels for the region indicated. As with the Typical Outdoor Data by Date, the four columns represent the frequency of occurrence and the typical low, medium, and high concentration values for the spore type indicated. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Environmental Microbiology Laboratory, Inc. may not have received and tested a representative number of samples for every region or time period. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Re: SO588

Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: ST-33: S/N 10105295, OA, roof

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)		Typical outdoor ranges (North America)	Freq. %
Ascospores		27	13 - 160 - 3,600	77
Basidiospores		213	22 - 360 - 13,000	94
Cladosporium		80	53 - 590 - 8,100	96
Other brown		13	7 - 13 - 93	39
Penicillium/Aspergillus types		133	34 - 210 - 2,800	90
Smuts, Periconia, Myxomycetes		ND	7 - 40 - 770	70
Total		466		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: ST-21: S/N 10349921, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 8%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: -0.1071 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	27
Pithomyces	7
Smuts, Periconia, Myxomycetes	7
Total	41

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Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-22: S/N 10349907, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 34%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6000 Critical value: 0.8000 Outside Similar: No	Score: 115 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	27
Basidiospores	27
Penicillium/Aspergillus types	107
Total	161

Location: ST-23: S/N 10349901, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 40%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6750 Critical value: 0.8000 Outside Similar: No	Score: 115 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	27
Cladosporium	53
Penicillium/Aspergillus types	107
Total	187

Location: ST-24: S/N 10349899, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 22%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.1250 Critical value: 0.8000 Outside Similar: No	Score: 107 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	53
Penicillium/Aspergillus types	53
Total	106

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Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-25: S/N 10349895, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.8750 Critical value: 0.8000 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Penicillium/Aspergillus types	7
Total	14

Location: ST-26: S/N 10349905, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 28%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.7500 Critical value: 0.8000 Outside Similar: No	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	27
Basidiospores	80
Penicillium/Aspergillus types	27
Total	134

Location: ST-27: S/N 103516271, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 10%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.1429 Critical value: 0.7714 Outside Similar: No	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	7
Total	47

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Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-28: S/N 103516281, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 24%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.0143 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Other brown	20
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	13
Total	113

Location: ST-29: S/N 103516261, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-30: S/N 103516471, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.5000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

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Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-31: S/N103516501, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-32: S/N 103516611, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 25%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.5429 Critical value: 0.7714 Outside Similar: No	Score: 111 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Penicillium/Aspergillus types	80
Smuts, Periconia, Myxomycetes	13
Total	120

Location: ST-34: S/N 10105335, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 28%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.5143 Critical value: 0.7714 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Cladosporium	13
Epicoccum	7
Penicillium/Aspergillus types	107
Total	134

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Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-35: S/N 10105325, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 12%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0857 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	53
Smuts, Periconia, Myxomycetes	7
Total	60

Location: ST-36: S/N 10105341, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 27%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.2000 Critical value: 0.7714 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	7
Penicillium/Aspergillus types	107
Smuts, Periconia, Myxomycetes	13
Total	127

Location: ST-37: S/N 10105361, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 8%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: -0.1071 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Curvularia	7
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	7
Total	41

Environmental Microbiology Laboratory, Inc.
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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-38: S/N 10105340, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	27
Penicillium/Aspergillus types	53
Total	80

Location: ST-39: S/N 9803587, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 24%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.5429 Critical value: 0.7714 Outside Similar: No	Score: 111 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Penicillium/Aspergillus types	80
Rusts	7
Total	114

Location: ST-40: S/N 103516371, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 17%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.5000 Critical value: 0.8000 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	80
Total	80

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-41: S/N 103516381, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.5000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-42: S/N 103516631, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 71%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6500 Critical value: 0.8000 Outside Similar: No	Score: 118 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	67
Cladosporium	133
Penicillium/Aspergillus types	133
Total	333

Location: ST-43: S/N 103516331, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 22%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	27
Penicillium/Aspergillus types	80
Total	107

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Date of Receipt: 11-21-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-44: S/N 103516241, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.5000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-45: S/N 1035165416th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.2500 Critical value: 0.8000 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	7
Total	7

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: ST-46: S/N 103516431, OA, roof

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	27	13 - 160 - 3,600	77
Basidiospores	80	22 - 360 - 13,000	94
Cladosporium	53	53 - 590 - 8,100	96
Other brown	7	7 - 13 - 93	39
Penicillium/Aspergillus types	53	34 - 210 - 2,800	90
Smuts, Periconia, Myxomycetes	ND	7 - 40 - 770	70
Total	220		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: ST-21: S/N 10349921, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: -0.1786 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	27
Pithomyces	7
Smuts, Periconia, Myxomycetes	7
Total	41

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-22: S/N 10349907, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 73%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.4500 Critical value: 0.8000 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	27
Basidiospores	27
Penicillium/Aspergillus types	107
Total	161

Location: ST-23: S/N 10349901, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 85%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6500 Critical value: 0.8000 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	27
Cladosporium	53
Penicillium/Aspergillus types	107
Total	187

Location: ST-24: S/N 10349899, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 48%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.0250 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Ascospores	53
Penicillium/Aspergillus types	53
Total	106

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-25: S/N 10349895, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 6%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.7750 Critical value: 0.8000 Outside Similar: No	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Penicillium/Aspergillus types	7
Total	14

Location: ST-26: S/N 10349905, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 60%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6750 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Ascospores	27
Basidiospores	80
Penicillium/Aspergillus types	27
Total	134

Location: ST-27: S/N 103516271, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 21%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.2429 Critical value: 0.7714 Outside Similar: No	Score: 107 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	13
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	7
Total	47

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-28: S/N 103516281, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 51%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.0571 Critical value: 0.7714 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Other brown	20
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	13
Total	113

Location: ST-29: S/N 103516261, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-30: S/N 103516471, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 12%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-31: S/N103516501, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	N/A

Location: ST-32: S/N 103516611, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 54%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4429 Critical value: 0.7714 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	27
Penicillium/Aspergillus types	80
Smuts, Periconia, Myxomycetes	13
Total	120

Location: ST-34: S/N 10105335, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 60%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.6667	dF: 6 Result: 0.5000 Critical value: 0.7714 Outside Similar: No	Score: 116 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Basidiospores	7
Cladosporium	13
Epicoccum	7
Penicillium/Aspergillus types	107
Total	134

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-35: S/N 10105325, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 27%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2857	dF: 6 Result: 0.0000 Critical value: 0.7714 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Penicillium/Aspergillus types	53
Smuts, Periconia, Myxomycetes	7
Total	60

Location: ST-36: S/N 10105341, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 57%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: -0.3000 Critical value: 0.7714 Outside Similar: No	Score: 117 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Other brown	7
Penicillium/Aspergillus types	107
Smuts, Periconia, Myxomycetes	13
Total	127

Location: ST-37: S/N 10105361, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 18%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: -0.1786 Critical value: 0.6786 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Curvularia	7
Penicillium/Aspergillus types	27
Smuts, Periconia, Myxomycetes	7
Total	41

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-38: S/N 10105340, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 36%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.3750 Critical value: 0.8000 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Cladosporium		27
Penicillium/Aspergillus types		53
Total		80

Location: ST-39: S/N 9803587, 6th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 51%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5000	dF: 6 Result: 0.4429 Critical value: 0.7714 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Basidiospores		27
Penicillium/Aspergillus types		80
Rusts		7
Total		114

Location: ST-40: S/N 103516371, 18th flr., E-7

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 36%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Penicillium/Aspergillus types		80
Total		80

Environmental Microbiology Laboratory, Inc.
1150 Bayhill Drive, Suite 100, San Bruno, CA 94066
(650) 829-5800 Fax (650) 829-5852 www.emlab.com

Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-41: S/N 103516381, 17th flr., G-6

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 12%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Penicillium/Aspergillus types		27
Total		27

Location: ST-42: S/N 103516631, 16th flr., C-5

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 151%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.7500	dF: 5 Result: 0.6750 Critical value: 0.8000 Outside Similar: No	Score: 120 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Basidiospores		67
Cladosporium		133
Penicillium/Aspergillus types		133
Total		333

Location: ST-43: S/N 103516331, 12th flr., B-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 48%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.5714	dF: 5 Result: 0.3750 Critical value: 0.8000 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K	
Cladosporium		27
Penicillium/Aspergillus types		80
Total		107

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Client: Turner Building Science, LLC
C/O: Mr. William Turner
Re: SO588

Date of Sampling: 11-16-2005 and 11-18-2005
Date of Receipt: 11-21-2005
Date of Report: 11-23-2005

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: ST-44: S/N 103516241, 10th flr., D-2

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 12%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: 0.4000 Critical value: 0.8000 Outside Similar: No	Score: 104 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Penicillium/Aspergillus types	27
Total	27

Location: ST-45: S/N 1035165416th flr., E-4

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 3%	dF: 23 Result: 12.3880 Critical value: 35.1725 Inside Similar: Yes	Result: 0.3333	dF: 5 Result: -0.2250 Critical value: 0.8000 Outside Similar: No	Score: 103 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Other brown	7
Total	7

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

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Client: Turner Building Science, LLC
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Date of Sampling: 11-16-2005 and 11-18-2005
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MoldSTAT™: Supplementary Statistical Spore Trap Report

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab reserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by Environmental Microbiology Laboratory, Inc. and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. Environmental Microbiology Laboratory, Inc. hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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ENVIRONMENTAL MICROBIOLOGY LABORATORY, INC.

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1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER		Fog	Rain	Snow	Wind	Clear
LEVEL	None	K		K		Cussedy
	Light		K			
	Moderate		K		K	
	Heavy				K	

REQUESTED

000187468

CONTACT INFORMATION		
Company/Branch: TURNER BUILDING SCIENCE	Address: 26 PINEWOOD LANE HARRISON, ME 04040	
Contact: BILL TURNER	Fax results? Y / (N)	Fax:
Phone: (207) 583-4571 x11	Email results? (Y) / N	Email: bturner@hlturner.com

PROJECT INFORMATION		TURN AROUND TIME CODES - (TAT)	
Project: S0588	Project/ Promo ID:	**STD** - Standard (DEFAULT 48-72 Hour)	**Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.**
Project Zip Code: 06106	Sampling Date: 11/16/05	**ND** - 24 Hour (+50%)	
PO Number:		**SD** - Same Business Day Rush (+75%)	
Send Invoice to: 27 LOCKE, RD CONCORD, NH 03301		**WH** - Weekend/Holiday (+100%)	

Non-Culturable

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Spore Trap	Tape Swab Bulk	BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plt.	Requests
						i - Spore Trap Analysis; Fungi & Biological Particles - Spore Trap Analysis	i - Direct Microscopic Exam	i - Standard Quant. Analysis (Incl. Asp. Speciation); ...nia - Quantitative Analysis; .../ Coliform Screen (24hr, 48hr, WH rush avail.); ...ge Assessment / Clearance; ...nella - Quantitative Analysis (water & swabs only); ...w/ Penicillium & Asp. Speciation; ...w/ Clad & Asp. Speciation; ...- Full Speciation	Premium Req. add'l subcultures ~4 wk lead; ...stos Analysis - PCM Airborne Fiber Count (NIOSH 7400); ...stos Analysis - PLM (EPA method 600/R-93-116)
ST-21	S/N 10349921 18th FLR E-7	ST		150L	9:00pm	K			
ST-22	S/N 10349907 17th FLR G-6	ST		150L	9:00pm	K			
ST-23	S/N 10349901 16th FLR C-5	ST		150L	9:00pm				
ST-24	S/N 10349899 12th FLR B-4	ST		150L	9:00pm				
ST-25	S/N 10349895 10th FLR D-2	ST		150L	9:00pm				
ST-26	S/N 10349905 6th FLR E-4	ST		150L	9:00pm				

SAMPLE TYPE CODES			
BC - BioCassette™	**CP** - Contact Plate	**T** - Tape	**D** - Dust
A1S - Andersen 1-stage	**ST** - Spore Trap: Zefon, Allergenco, Burkard...	**SW** - Swab	**W** - Water
A2S - Andersen 2-stage		**B** - Bulk	**SO** - Soil
SAS - Surface Air Sampler	**P** - Pure Culture	**O** - Other:	

RELINQUISHED BY	DATE & TIME

RECEIVED BY	DATE & TIME
Ann Morrissey	11-21-05 9:30

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1150 Bayhill Dr. #100, San Bruno, CA 94066 ~ AIHA EMLAP #102856

5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER LEVEL	Fog	Rain	Snow	Wind	Clear
None	X	X	X		
Light					✓
Moderate				X	
Heavy					

REQUESTE[D] 000187468

CONTACT INFORMATION

Company/Branch: Turner Building Science

Address: 26 Pinewood Lane, Harrison, ME 04040

Contact: Bill Turner

Fax results? Y (N)

Fax: sagefarm@comcast.net

Phone: 207-583-4571 x-11

Email results? (Y) N

Email: bturner@hlturner.com

PROJECT INFORMATION

Project: S0588

Project/Promo ID:

Project Zip Code: 06106

Sampling Date: 11/18/05

PO Number:

Send Invoice to: 27 Locke Rd Concord, NH 03301

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT 48-72 Hour)

ND - 24 Hour (+50%)

SD - Same Business Day Rush (+75%)

WH - Weekend/Holiday (+100%)

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Spore Trap Analysis
ST-27	S/N 10351627 18th FLR E-1	ST		150L	7AM	X
ST-28	S/N 10351628 17th FLR G6	ST		150L	7AM	↓
ST-29	S/N 10351626 16th FLR C5	ST		150L	7AM	
ST-30	S/N 10351647 12th FLR B4	ST		150L	7AM	
ST-31	S/N 10351650 10th FLR D2	ST		150L	7AM	
ST-32	S/N 10351661 6th FLR E4	ST		150L	7AM	
ST-33	S/N 1010 5295 OA-Roof	ST		150L	7AM	

Requested analysis columns:

- Non-Culturable — Spore Trap: ...i - Spore Trap Analysis; Fungi & Biological Particles - Spore Trap Analysis
- Tape Swab Bulk: ...i - Direct Microscopic Exam
- BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plt.: ...i - Standard Quant. Analysis (Incl. Asp. Speciation); ...eria - Quantitative Analysis; ... / Coliform Screen (24hr, 48hr WH rush avail.); ...ge Assessment / Clearance; ...nella - Quantitative Analysis (water & swabs only)
- Premium Req. add'l subcultures ~4 wk lead: ...i w/ Penicillium & Asp. Speciation; ...i w/ Clad. & Asp. Speciation; ...i - Full Speciation
- Requests: ...stos Analysis - PCM Airborne Fiber Count (NIOSH 7400); ...stos Analysis - PLM (EPA method 600/R-93-116)

SAMPLE TYPE CODES

BC - BioCassette™	CP - Contact Plate	T - Tape	D - Dust
A1S - Andersen 1-stage	ST - Spore Trap: Zefon, Allergenco, Burkard...	SW - Swab	W - Water
A2S - Andersen 2-stage		B - Bulk	SO - Soil
SAS - Surface Air Sampler	P - Pure Culture	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
		Ann Morrissey	11-21-05 9:30

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5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None	X	X	X		✓
Light					
Moderate				X	
Heavy					

REQUESTED SE

000187468

Non-Culturable		Cu
Spore Trap	Tape Swab Bulk	BioCassette™ Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plt.

Requests

CONTACT INFORMATION

Company/Branch: TURNER BUILDING SCIENCE | Address: 26 PINEWOOD LANE, HARRISON ME 04040

Contact: BILL TURNER | Fax results? Y/N ~~Fax~~ sagefarm@Comcast.net

Phone: 207-583-4571 x-11 | Email results? Y/N Email: bturner@Hturner.com

PROJECT INFORMATION

Project: S0588 | Project/Promo ID:

Project Zip Code: 06106 | Sampling Date: 11/18/05

PO Number:

Send Invoice to: 27 LOCKE RD CONCORD, NH 03301

TURN AROUND TIME CODES - (TAT)

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WH - Weekend/Holiday (+100%)

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SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
ST-34	1010 5335 18 E-7	ST		150 L	11:45 AM
ST-35	1010 5325 17 G-6	ST		150 L	11:45 AM
ST-36	1010 5341 16 C-5	ST		150 L	11:45 AM
ST-37	1010 5361 12 B-4	ST		150 L	11:45 AM
ST-38	1010 5340 10 D2	ST		150 L	11:45 AM
ST-39	980 3587 6 E4	ST		150 L	11:45 AM

Spore Trap Analysis | Fungi & Biological Particles - Spore Trap Analysis | Direct Microscopic Exam | Standard Quant. Analysis (Incl. Asp. Speciation) | Quantitative Analysis | Coliform Screen (24hr, 48hr, WH rush avail.) | Assessment / Clearance | Quantitative Analysis (water & swabs only) | Penicillium & Asp. Speciation | Clad. & Asp. Speciation | Full Speciation | Premium Req. add'l subcultures ~4 wk lead | PCM Airborne Fiber Count (NIOSH 7400) | PLM (EPA method 600/R-93-116)

SAMPLE TYPE CODES

BC - BioCassette™	**CP** - Contact Plate	**T** - Tape	**D** - Dust
A1S - Andersen 1-stage	**ST** - Spore Trap: Zefon, Allergenco, Burkard...	**SW** - Swab	**W** - Water
A2S - Andersen 2-stage		**B** - Bulk	**SO** - Soil
SAS - Surface Air Samp er	**P** - Pure Culture	**O** - Other:	

RELINQUISHED BY	DATE & TIME

RECEIVED BY	DATE & TIME
Ann Morrissey	11-21-05 9.30

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5473 Kearny Villa Road, #130, San Diego, CA 92123 ~ AIHA EMLAP #160266

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None	X	X	X		✓
Light					
Moderate				X	
Heavy					

REQUESTED

000187468

Non-Culturable

Spore Trap	Tape Swab Bulk	BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plt.	Requests

CONTACT INFORMATION

04040

Company/Branch: Turner Building Science | Address: 26 Pinewoods Ln. Harrison ME

Contact: Bill Turner | Fax results? Y/N | Fax: Sagefarm@Comcast.net

Phone: 207-583-4571 x-11 | Email results? Y/N | Email: bturner@hlturner.com

PROJECT INFORMATION

Project: S0588 | Project/Promo ID:

Project Zip Code: 06106 | Sampling Date: 11-18-05

PO Number:

Send Invoice to: ~~27 Locke Rd.~~ Concord, NH 03301

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ND - 24 Hour (+50%)

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Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

SAMPLE ID	DESCRIPTION	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)
ST-40	10351 6571 18 E-7			150L	1:30 PM
ST-41	10351 6381 17 G-6				
ST-42	10351 6631 16 C-5				
ST-43	10351 6331 12 B4				
ST-44	10351 6241 10 D2				
ST-45	10351 6541 6 E4				
ST-46	10351 6431 OA ROOF				

Fungi - Spore Trap Analysis

Fungi & Biological Particles - Spore Trap Analysis

Fungi - Direct Microscopic Exam

Fungi - Standard Quant. Analysis (Incl. Asp. Speciation)

Bacteria - Quantitative Analysis

E.coli / Coliform Screen (24hr, 48hr, WH rush avail.)

Sewage Assessment / Clearance

Legionella - Quantitative Analysis (water & swabs only)

Premium Req. add'l subcultures ~4 wk lead

Fungi w/ Penicillium & Asp. Speciation

Fungi w/ Stad. & Asp. Speciation

Fungi - Full Speciation

Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)

Asbestos Analysis - PLM (EPA method 600/R-93-116)

SAMPLE TYPE CODES

BC - BioCassette™	**CP** - Contact Plate	**T** - Tape	**D** - Dust
A1S - Andersen 1-stage	**ST** - Spore Trap: Zefon, Allergenco, Burkard...	**SW** - Swab	**W** - Water
A2S - Andersen 2-stage		**B** - Bulk	**SO** - Soil
S - Surface Air Sampler	**P** - Pure Culture	**O** - Other:	

RELINQUISHED BY	DATE & TIME

RECEIVED BY	DATE & TIME
Ann Morrissey	11-21-05 9:30

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